1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/975,982

DATE: 09/14/2001 TIME: 11:40:41

Input Set : A:\9896442.app

Output Set: N:\CRF3\09142001\H975982.raw

SEQUENCE LISTING

			SEQUENCE LISTING
	4	(1) GENE	RAL INFORMATION:
	6	(i)	APPLICANT: Cerutti, Martine Chaabihi, Hassan ENTERE
	7		Chaabihi, Hassan
	8		DeVauchelle, Gerard
	9		Gauthier, Laurent
	10		Kaczorek, Michel
	11		LeFranc, Marie-Paule
	12		Poul, Marie-Alix
	14	(ii)	TITLE OF INVENTION: RECOMBINANT BACULOVIRUS AND ITS USE FOR
	15		THE PRODUCTION OF MONOCLONAL ANTIBODIES
	17	(iii)	NUMBER OF SEQUENCES: 19
	19	(iv)	CORRESPONDENCE ADDRESS:
	20		(A) ADDRESSEE: WEISER & ASSOCIATES
	21		(B) STREET: 230 South Fifteenth Street, Suite 500
	22		(C) CITY: Philadelphia
	23		(D) STATE: PA
	24		(E) COUNTRY: USA
	25		(F) ZIP: 19102
	27	(V)	COMPUTER READABLE FORM:
	28		(A) MEDIUM TYPE: Floppy disk
	29		(B) COMPUTER: IBM PC compatible
	30		(C) OPERATING SYSTEM: PC-DOS/MS-DOS
	31		(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
	33	(vi)	CURRENT APPLICATION DATA:
C>			(A) APPLICATION NUMBER: US/08/975,982
C>			(B) FILING DATE: 21-Nov-1997
	36		(C) CLASSIFICATION:
	38	(V11)	PRIOR APPLICATION DATA:
	39		(A) APPLICATION NUMBER: PCT/FR95/00110
C>			(B) FILING DATE:
	41 42	(V111)	ATTORNEY/AGENT INFORMATION:
	42		(A) NAME: Weiser, Gerard J.
	44		(B) REGISTRATION NUMBER: 19,763
	44	(12)	(C) REFERENCE/DOCKET NUMBER: 989.6442P TELECOMMUNICATION INFORMATION:
	47	(IX)	(A) TELEPHONE: 215-875-8383
	48		(B) TELEFAX: 215-875-8394
		(2) TNFO	RMATION FOR SEQ ID NO: 1:
	53		SEQUENCE CHARACTERISTICS:
	54	(-)	(A) LENGTH: 76 base pairs
	55		(B) TYPE: nucleic acid
	56		(C) STRANDEDNESS: single
	57		(D) TOPOLOGY: linear
	59	(ii)	MOLECULE TYPE: DNA (genomic)
	64		SEQUENCE DESCRIPTION: SEQ ID NO: 1:
	66	ATCAAATA	AA TAAGTATTTT AAAGAATTCG TACGTATTTT GTATATTAAT TAAAATACTA 60

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Input Set : A:\9896442.app

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70 (2) INFORMATION FOR SEQ ID NO: 2: 72	68 TACTGTAAAT AGATCG	76
73 (A) LENGTH: 80 base pairs 74 (B) TYPE: nucleic acid 75 (C) STRANDEDNESS: single 76 (D) TOPOLOGY: linear 78 (ii) MOLECULE TYPE: DNA (genomic) 83 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: 85 GATCCGATTA ATTACAGTA TAGTATTTA ATTAATATAC AAAATACGTA CGAATTCTTT 89 (2) INFORMATION FOR SEQ ID NO: 3: 91 (i) SEQUENCE CHARACTERISTICS: 92 (A) LENGTH: 57 base pairs 93 (B) TYPE: nucleic acid 94 (C) STRANDEDNESS: double 95 (D) TOPOLOGY: linear 97 (ii) MOLECULE TYPE: DNA (genomic) 102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGATGGA GGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 57 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (1) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 17 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 132 (2) INFORMATION FOR SEQ ID NO: 5: 133 (A) LENGTH: 28 base pairs 144 (B) TYPE: nucleic acid 148 (C) STRANDEDNESS: single 140 (2) INFORMATION FOR SEQ ID NO: 6: 141 (1) SEQUENCE CHARACTERISTICS: 142 (1) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 135 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (B) TYPE: nucleic acid 148 (B) TYPE: nucleic acid 149 (C) STRANDEDNESS: single 140 (C) INFORMATION FOR SEQ ID NO: 6: 141 (D) SEQUENCE CHARACTERISTICS: 142 (1) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (A) LENGTH: 30 base pairs 148 (II) MOLECULE TYPE: DNA (genomic) 159 (Z) INFORMATION FOR SEQ ID NO: 6: 150 CCCTGCAGAT CTATGAACAT TCTGTAGGGG 150 CCCTGCAGAT CTATGAACAT TCTGTAGGGG 151 CCCTGCAGAT CTATGAACAT TCTGTAGGGG 152 CCCTGCAGAT CTATGAACAT TCTGTAGGGG 153 CCCTGCAGAT CTATGAACAT TCTGTAGGGG 150 CCCTGCAGAT CTATGAACAT TCTGTAGGGG 151 CCCTGCAGAT CTATGAACAT TCTG	70 (2) INFORMATION FOR SEQ ID NO: 2:	
74 (B) TYPE: nucleic acid 75 (C) STRANDEDNESS: single 76 (D) TOPOLOGY: linear 78 (ii) MOLECULE TYPE: DNA (genomic) 83 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: 85 GATCCGATCT ATTTACAGTA TAGTATTTA ATTAATATAC AAAATACGTA CGAATTCTTT 80 (A) LINGORMATION FOR SEQ ID NO: 3: 91 (1) SEQUENCE CHARACTERISTICS: 92 (A) LENGTH: 57 base pairs 93 (B) TYPE: nucleic acid 94 (C) STRANDEDNESS: double 95 (D) TOPOLOGY: linear 97 (ii) MOLECULE TYPE: DNA (genomic) 102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGGA GCTGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (1) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 132 (2) INFORMATION FOR SEQ ID NO: 5: 135 (3) SEQUENCE CHARACTERISTICS: 140 (2) INFORMATION FOR SEQ ID NO: 5: 137 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 139 (D) TOPOLOGY: linear 140 (2) INFORMATION FOR SEQ ID NO: 5: 141 (1) SEQUENCE CHARACTERISTICS: 142 (1) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 155 (C) STRANDEDNESS: single 166 (D) TOPOLOGY: linear 177 (E) INFORMATION FOR SEQ ID NO: 6: 178 (C) STRANDEDNESS: single 179 (C) STRANDEDNESS: single 180 (C) STRANDEDNESS: single 181 (II) MOLECULE TYPE: DNA (genomic) 182 (A) LENGTH: 30 base pairs 183 (A) LENGTH: 30 base pairs 184 (B) TYPE: nucleic acid 185 (C) STRANDEDNESS: single 186 (II) MOLECULE TYPE: DNA (genomic) 187 (2) INFORMATION FOR SEQ ID NO: 6: 185 (CTGTCAGAT CTATGACACT TCTGTAGGGG 30	72 (i) SEQUENCE CHARACTERISTICS:	
75 (C) STRANDEDNESS: single 76 (D) TOPOLOGY: linear 78 (ii) MOLECULE TYPE: DNA (genomic) 83 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: 85 GATCCGATCT ATTACACTA TAGTATTTTA ATTAATATC AAAATACGTA CGAATTCTTT 89 (2) INFORMATION FOR SEQ ID NO: 3: 91 (i) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 91 (i) SEQUENCE CHARACTERISTICS: 92 (A) LENGTH: 57 base pairs 93 (B) TYPE: nucleic acid 94 (C) STRANDEDNESS: double 95 (D) TOPOLOGY: linear 97 (ii) MOLECULE TYPE: DNA (genomic) 102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGGA GCTGTATCAT CCTCTTCTTC GTAGCAACAG CTACAGGTGT CCACTCC 57 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (i) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 133 (A) LENGTH: 28 base pairs 144 (2) INFORMATION FOR SEQ ID NO: 6: 142 (1) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (B) TYPE: DNA (genomic) 148 (ii) MOLECULE TYPE: DNA (genomic) 150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (B) TYPE: DNA (genomic) 158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 159 (CTGTCAGAT CTATGAACAT TCTGTAGGGG 150 (CTGTCAGAT CTATGAACAT TCTGTAGGGG 151 (CTGTCAGAT CTATGAACAT TCTGTAGGGG 155 (CCTGTCAGAT CTATGAACAT TCTGTAGGGG 156 (CTGTCAGAT CTATGAACAT TCTGTAGGGG 157 (2) INFORMATION FOR SEQ ID NO: 7:	73 (A) LENGTH: 80 base pairs	
76 (I) TOPOLOGY: linear 78 (II) MOLECULE TYPE: DNA (genomic) 83 (x1) SEQUENCE DESCRIPTION: SEQ ID NO: 2: 85 GATCCGATCT ATTTACAGTA TAGTATTTA ATTAATATAC AAAATACGTA CGAATTCTTT 86 (AAAATACTTA TTATTGAT 89 (2) INFORMATION FOR SEQ ID NO: 3: 91 (1) SEQUENCE CHARACTERISTICS: 92 (A) LENGTH: 57 base pairs 93 (B) TYPE: nucleic acid 94 (C) STRANDEDNESS: double 95 (D) TOPOLOGY: linear 97 (II) MOLECULE TYPE: DNA (genomic) 102 (x1) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGGA GCTGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (I) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (II) MOLECULE TYPE: DNA (genomic) 119 (X1) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 (I) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (II) MOLECULE TYPE: DNA (genomic) 142 (I) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 28 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 140 (2) INFORMATION FOR SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 140 (2) INFORMATION FOR SEQ ID NO: 5: 139 GAAGATCTAA CACTCTCCGC GGTTGAAG 140 (2) INFORMATION FOR SEQ ID NO: 6: 141 (I) SEQUENCE CHARACTERISTICS: 142 (I) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 155 (C) STRANDEDNESS: single 166 (D) TOPOLOGY: linear 177 (B) TYPE: nucleic acid 178 (A) LENGTH: 30 base pairs 179 (C) STRANDEDNESS: single 170 (C) STRANDEDNESS: single 171 (C) STRANDEDNESS: single 172 (C) STRANDEDNESS: single 173 (C) STRANDEDNESS: single 174 (B) TYPE: DNA (genomic) 175 (C) STRANDEDNESS: single 176 (C) STRANDEDNESS: single 177 (C) STRANDEDNESS: single 178 (C) STRANDEDNESS: single 179 (C) STRANDEDNESS: single 170 (C) STRANDEDNESS: single 171 (C) SEQUENCE CHARACTERISTICS: 172 (C) SEQUENCE CHARACTERISTICS: 173 (C) SEQUENCE CHARACTERISTICS: 174 (C) SEQUENCE CHARACTERISTICS: 175 (C) STRANDEDNES	74 (B) TYPE: nucleic acid	
78		
83 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: 85 GATCCGATCT ATTACAGTA TAGTATTTA ATTAATATAC AAAATACGTA CGAATTCTT 60 87 AAAAATACTTA TTTATTGAT 80 89 (2) INFORMATION FOR SEQ ID NO: 3: 91 (i) SEQUENCE CHARACTERISTICS: 92 (A) LENGTH: 57 base pairs 93 (B) TYPE: nucleic acid 94 (C) STRANDEDNESS: double 95 (D) TOPOLOGY: linear 97 (ii) MOLECULE TYPE: DNA (genomic) 102 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGGA GCTGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 57 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (i) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (XI) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (XI) SEQUENCE CHARACTERISTICS: 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 132 (XI) SEQUENCE CHARACTERISTICS: 133 (A) LENGTH: 28 base pairs 140 (2) INFORMATION FOR SEQ ID NO: 5: 134 (A) LENGTH: 30 base pairs 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDENNESS: single 146 (D) TOPOLOGY: linear 147 (B) TYPE: DNA (genomic) 148 (II) MOLECULE TYPE: DNA (genomic) 150 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 156 (CC) STRANDENNESS: single 157 (2) INFORMATION FOR SEQ ID NO: 7:	76 (D) TOPOLOGY: linear	
85 GATCCGATCT ATTTACAGTA TAGTATTTA ATTAATATAC AAAATACGTA CGAATTCTT 87 AAAATACTTA TTTATTTGAT 89 (2) INFORMATION FOR SEQ ID NO: 3: 91		
87 AAAATACTTA TTTATTGAT 89 (2) INFORMATION FOR SEQ ID NO: 3: 91 (i) SEQUENCE CHARACTERISTICS: 92 (A) LENGTH: 57 base pairs 93 (B) TYPE: nucleic acid 94 (C) STRANDEDNESS: double 95 (D) TOPOLOGY: linear 97 (ii) MOLECULE TYPE: DNA (genomic) 102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGGA GCTGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 57 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (i) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTGAAG 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (B) TYPE: nucleic acid 148 (i) MOLECULE TYPE: DNA (genomic) 150 (X1) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 151 (X1) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 152 (C) STRANDEDNESS: single 153 (X1) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTGAGGG 30		
89 (2) INFORMATION FOR SEQ ID NO: 3: 91		
91 (i) SEQUENCE CHARACTERISTICS: 92 (A) LENGTH: 57 base pairs 93 (B) TYPE: nucleic acid 94 (C) STRANDEDNESS: double 95 (D) TOPOLOGY: linear 97 (ii) MOLECULE TYPE: DNA (genomic) 102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGAG CCTGTATCAT CCTCCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 57 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (i) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 137 (B) TYPE: nucleic acid 148 (C) STRANDEDNESS: single 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (A) LENGTH: 30 base pairs 148 (ii) MOLECULE TYPE: DNA (genomic) 150 (Xi) SEQUENCE CHARACTERISTICS: 140 (2) INFORMATION FOR SEQ ID NO: 6: 141 (C) STRANDEDNESS: single 142 (C) STRANDEDNESS: single 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 159 (Xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 150 (CTGTCAGAT CTATGAACAT TCTGTAGGGG 151 (Z) INFORMATION FOR SEQ ID NO: 7:		80
92 (A) LENGTH: 57 base pairs 93 (B) TYPE: nucleic acid 94 (C) STRANDEDNESS: double 95 (D) TOPOLOGY: linear 97 (ii) MOLECULE TYPE: DNA (genomic) 102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGGA GCTGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (i) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 137 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 142 (i) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (C) STRANDEDNESS: single 148 (ii) MOLECULE TYPE: DNA (genomic) 150 (xi) SEQUENCE CHARACTERISTICS: 160 (D) TOPOLOGY: linear 161 (D) TOPOLOGY: linear 170 (D) TOPOLOGY: linear 171 (D) TOPOLOGY: linear 172 (D) TOPOLOGY: linear 173 (D) TOPOLOGY: linear 174 (D) TOPOLOGY: linear 175 (C) STRANDEDNESS: single 176 (D) TOPOLOGY: linear 177 (D) TOPOLOGY: linear 178 (D) TOPOLOGY: linear 179 (D) TOPOLOGY: linear 170 (D)	, ·	
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94 (C) STRANDEDNESS: double 95 (D) TOPOLOGY: linear 97 (ii) MOLECULE TYPE: DNA (genomic) 102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGGA GCTGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 57 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (i) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACAGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (B) TYPE: nucleic acid 148 (i) MOLECULE TYPE: DNA (genomic) 150 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 151 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 152 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 153 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 154 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGACAT TCTGTAGGGG 30 156 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6:		
95 (D) TOPOLOGY: linear 97 (ii) MOLECULE TYPE: DNA (genomic) 102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGGA GCTGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 57 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (i) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (i) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	· ·	
97 (ii) MOLECULE TYPE: DNA (genomic) 102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 104 ATGGGATGGA GCTGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 57 106 (2) INFORMATION FOR SEQ ID NO: 4: 108 (i) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (E) TYPE: DNA (genomic) 148 (ii) MOLECULE TYPE: DNA (genomic) 150 (XI) SEQUENCE CHARACTERISTICS: 141 (B) TYPE: nucleic acid 142 (C) STRANDEDNESS: single 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 159 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 150 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 151 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 152 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 153 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 154 (Z) INFORMATION FOR SEQ ID NO: 7:		
102		
104 ATGGGATGGA GCTGTATCAT CCTCTTCTTG GTAGCAACAG CTACAGGTGT CCACTCC 106 (2) INFORMATION FOR SEQ ID NO: 4:		
106 (2) INFORMATION FOR SEQ ID NO: 4: 108		57
108 (i) SEQUENCE CHARACTERISTICS: 109 (A) LENGTH: 17 base pairs 110 (B) TYPE: nucleic acid 111 (C) STRANDEDNESS: single 112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 150 (XI) SEQUENCE CHARACTERISTICS: 141 (B) TYPE: nucleic acid 142 (C) STRANDEDNESS: single 143 (C) STRANDEDNESS: single 144 (C) STRANDEDNESS: single 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (D) TOPOLOGY: linear 148 (II) MOLECULE TYPE: DNA (genomic) 159 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 150 CCTGTCAGAT CTATCAACAT TCTGTAGGGG 30 151 (2) INFORMATION FOR SEQ ID NO: 7:		37
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112 (D) TOPOLOGY: linear 114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	·	
114 (ii) MOLECULE TYPE: DNA (genomic) 119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	, ,	•
119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 121 AGCTCGAGAT CAAACGG 17 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 140 (2) INFORMATION FOR SEQ ID NO: 6: 141 (B) TYPE: nucleic acid 142 (C) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 147 (II) MOLECULE TYPE: DNA (genomic) 148 (II) MOLECULE TYPE: DNA (genomic) 150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 151 (Z) INFORMATION FOR SEQ ID NO: 7:	·	
121 AGCTCGAGAT CAAACGG 123 (2) INFORMATION FOR SEQ ID NO: 5: 125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	· ·	
125 (i) SEQUENCE CHARACTERISTICS: 126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:		17
126 (A) LENGTH: 28 base pairs 127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	123 (2) INFORMATION FOR SEQ ID NO: 5:	
127 (B) TYPE: nucleic acid 128 (C) STRANDEDNESS: single 129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	125 (i) SEQUENCE CHARACTERISTICS:	
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129 (D) TOPOLOGY: linear 131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	127 (B) TYPE: nucleic acid	
131 (ii) MOLECULE TYPE: DNA (genomic) 136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	128 (C) STRANDEDNESS: single	
136 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 138 GAAGATCTAA CACTCTCCGC GGTTGAAG 28 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:		
138 GAAGATCTAA CACTCTCCGC GGTTGAAG 140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:		
140 (2) INFORMATION FOR SEQ ID NO: 6: 142 (i) SEQUENCE CHARACTERISTICS: 143 (A) LENGTH: 30 base pairs 144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:		
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144 (B) TYPE: nucleic acid 145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	• •	
145 (C) STRANDEDNESS: single 146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:		
146 (D) TOPOLOGY: linear 148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	, ,	
148 (ii) MOLECULE TYPE: DNA (genomic) 153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	· ·	
153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 155 CCTGTCAGAT CTATGAACAT TCTGTAGGGG 30 157 (2) INFORMATION FOR SEQ ID NO: 7:	•	
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DATE: 09/14/2001

PATENT APPLICATION: US/08/975,982

TIME: 11:40:41

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Output Set: N:\CRF3\09142001\H975982.raw

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160
              (A) LENGTH: 21 base pairs
161
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
162
              (D) TOPOLOGY: linear
163
        (ii) MOLECULE TYPE: DNA (genomic)
165
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
170
                                                                               21
172 CCGCCCTCCC TCGAGCTTCA A
174 (2) INFORMATION FOR SEQ ID NO: 8:
         (i) SEQUENCE CHARACTERISTICS:
176
177
              (A) LENGTH: 18 base pairs
              (B) TYPE: nucleic acid
178
              (C) STRANDEDNESS: single
179
              (D) TOPOLOGY: linear
180
        (ii) MOLECULE TYPE: DNA (genomic)
182
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
                                                                               18
189 CASTCTGAGC TCACKCAG
191 (2) INFORMATION FOR SEQ ID NO: 9:
         (i) SEQUENCE CHARACTERISTICS:
193
194
              (A) LENGTH: 27 base pairs
              (B) TYPE: nucleic acid
195
196
              (C) STRANDEDNESS: single
197
              (D) TOPOLOGY: linear
199
        (ii) MOLECULE TYPE: DNA (genomic)
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
206 TTGAAGCTCC TCGAGGGAGG GCGGGAA
                                                                               27
208 (2) INFORMATION FOR SEQ ID NO: 10:
210
         (i) SEQUENCE CHARACTERISTICS:
211
              (A) LENGTH: 57 base pairs
212
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: double
213
214
              (D) TOPOLOGY: linear
        (ii) MOLECULE TYPE: DNA (genomic)
216
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
221
                                                                               57
223 ATGGCTGTCC TGGTGCTGTT CCTCTGCCTG GTTGCATTTC CCAGCTGTGT CCACTCC
225 (2) INFORMATION FOR SEQ ID NO: 11:
227
         (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 24 base pairs
228
229
              (B) TYPE: nucleic acid
230
              (C) STRANDEDNESS: single
231
              (D) TOPOLOGY: linear
        (ii) MOLECULE TYPE: DNA (genomic)
233
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
238
                                                                               24
240 CAAGGTACCA CGGTCACCGT CTCC
242 (2) INFORMATION FOR SEQ ID NO: 12:
         (i) SEQUENCE CHARACTERISTICS:
244
245
              (A) LENGTH: 29 base pairs
              (B) TYPE: nucleic acid
247
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
248
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DATE: 09/14/2001 TIME: 11:40:41

PATENT APPLICATION: US/08/975,982

Input Set : A:\9896442.app

Output Set: N:\CRF3\09142001\H975982.raw

250 (ii) MOLECULE TYPE: DNA (genomic) 255 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12: 257 GAAGATCTCA TTTACCCGGA GACAGGGAG 259 (2) INFORMATION FOR SEQ ID NO: 13: 261 (i) SEQUENCE CHARACTERISTICS: 262 (A) LENGTH: 28 base pairs 263 (B) TYPE: nucleic acid 264 (C) STRANDEDNESS: single	29
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13: (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14: (274 GAAGATCTCA TTTACCGGGA TTTACAGA (276 (2) INFORMATION FOR SEQ ID NO: 14: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 31 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	28
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14: 291 GAAGATCTCA TTTACCGGTG GACTTGTCGT C 293 (2) INFORMATION FOR SEQ ID NO: 15: (i) SEQUENCE CHARACTERISTICS: (a) LENGTH: 31 base pairs (b) TYPE: nucleic acid	31
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: DNA (genomic) (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15: (xi) SEQUENCE CGTCCACCT C (xi) INFORMATION FOR SEQ ID NO: 16: (xi) SEQUENCE CHARACTERISTICS: (xi) SEQUENCE CHARACTERISTICS: (xi) LENGTH: 24 base pairs	31
314 (B) TYPE: nucleic acid 315 (C) STRANDEDNESS: single 316 (D) TOPOLOGY: linear 318 (ii) MOLECULE TYPE: DNA (genomic) 323 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16: 325 CCGTTTGATC TCGAGCTTGG TCCC 327 (2) INFORMATION FOR SEQ ID NO: 17: 329 (i) SEQUENCE CHARACTERISTICS: 330 (A) LENGTH: 24 base pairs 331 (B) TYPE: nucleic acid 332 (C) STRANDEDNESS: single	24
333 (D) TOPOLOGY: linear 335 (ii) MOLECULE TYPE: DNA (genomic) 340 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17: 342 GACATTCAGC TCACCCAGTC TCCA 344 (2) INFORMATION FOR SEQ ID NO: 18:	24

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PATENT APPLICATION: US/08/975,982

Input Set : A:\9896442.app
Output Set: N:\CRF3\09142001\H975982.raw

346	(i) SEQUENCE CHARACTERISTICS:	
347	(A) LENGTH: 29 base pairs	
348	(B) TYPE: nucleic acid	
349	(C) STRANDEDNESS: single	
350	(D) TOPOLOGY: linear	
352	(ii) MOLECULE TYPE: DNA (genomic)	
	, ,	
357	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:	
359	TGAGGAGACG GTGACCGTGG TACCTTGGC	29
361	(2) INFORMATION FOR SEQ ID NO: 19:	
363	(i) SEQUENCE CHARACTERISTICS:	
364	(A) LENGTH: 22 base pairs	
365	(B) TYPE: nucleic acid	
366	(C) STRANDEDNESS: single	
367	(D) TOPOLOGY: linear	
	, ,	
369	(ii) MOLECULE TYPE: DNA (genomic)	
374	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:	
376	AGGTSMARCT GCAGSAGTCW GG	22

VERIFICATION SUMMARY

PATENT APPLICATION: US/08/975,982

DATE: 09/14/2001

TIME: 11:40:42

Input Set : A:\9896442.app

Output Set: N:\CRF3\09142001\H975982.raw

L:34 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:35 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:] L:51 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]